	Application No.	Applicant(s)
	09/504,235	YAMAZAKI ET AL.
Notice of Allowability	Examiner	Art Unit
	David L. Lewis	2629
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>2/5/2007</u> .		
2. The allowed claim(s) is/are 1-4,7-10,13,14,17,18,21,22,25,26,29-32,35-38,41,42,45,46,49,50,53,54 and 64-87.		
 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been received. 		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
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Attachment(s)		
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	atent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	(PTO-413),
3. ⊠ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Dat 7.	te nent/Comment
Paper No./Mail Date 2/1/2007, 11/20/2006		
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🔯 Examiner's Stateme	ent of Reasons for Allowance
-: -:	9. 🔲 Other	

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REASONS FOR ALLOWANCE

Allowable Subject Matter

- 1. Previously allowed claims 1-4, 7-10, 13, 14, 17, 18, 21, 22, 25, 26, 29-32, 35-38, 41, 42, 45, 46, 49, 50, 53, 54 and 64-87 remain allowable over the prior art of record.
- 2. Claims 5, 6, 11, 12, 15, 16, 19, 20, 23, 24, 27, 28, 33, 34, 39, 40, 43, 44, 47, 48, 51, 52, 55-63 were cancelled.
- Applicant has withdrawn the Application from issue for the purpose of submitting new IDS filled on 2/1/2007 and 11/20/2006, which have been considered. The previously allowed claims remain allowable over the newly cited art of record. As previously mentioned the feature of independent claims 1, 7, 13, 17, 21, 25, 29, 35, 41, 45, 49, and 53 directed towards allowable subject matter are wherein at least said channel formation region contains hydrogen atoms at a density of 1x10(15) to 1x10920) atoms cm-3, and contains carbon and nitrogen atoms at a density of 1x10(16) to 5x10(18) atoms cm-3, and contains oxygen atoms at a density of 1x10(17) to 5x10(19) atoms cm-3. These features in combination with the other limitations of the claims makes them allowable over the prior art of record. Zavracky et al. provides no support for such a teaching of said specific channel density composite. Therefore said features in combination with the other limitations of the above independent claims are found allowable over the prior art of record.

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Any comments considered necessary by applicant must be submitted no later 4.

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the 5.

examiner should be directed to David L. Lewis whose telephone number is (571) 272-

7673. The examiner can normally be reached on MTWTHF from 8 to 5. If attempts to

reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin

Shalwala, can be reached on (571) 272-7681. Any inquiry of a general nature or

relating to the status of this application or proceeding should be directed to the Group

receptionist whose telephone number is (571)-273-8300.

Information regarding the status of an application may be obtained from the 6.

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Examiner: David L. Lewis

February 16, 2007

BIPIN SHALWALA

SUPERVISORY PATENT EXAMINER

YECHRO OGY CENTER 2600